

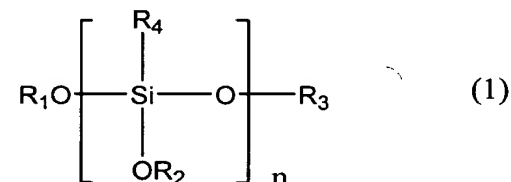
AMENDMENTS TO THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) A coated material for paper or fiber material comprising a hydroxyl group, having a surface to which a silane-based coating solution is applied ~~to a fiber material~~ and hardened/solidified by the action of a catalyst,

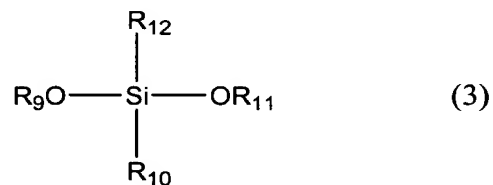
wherein said coating solution comprises:

(a) a compound represented by formula 1



wherein R₁, R₂, R₃ and R₄ are independently a hydrogen or an alkyl group having 1-4 carbons and n = 2-10; ~~and~~

(b) a compound represented by formula 3 having two hydrolyzable substituents and two unhydrolyzable substituents



wherein R₉ and R₁₁ are independently selected from the group consisting of a hydrogen, an alkyl group having 1-10 carbon atoms and ~~or~~ an alkenyl group having 1-10 carbon atoms; and R₁₀ and R₁₂ each is independently selected from the group consisting of an alkyl group having 1-10 carbon atoms, an alkenyl group having 1-10 carbon atoms, or a phenyl group, and a phenyl group having ~~which may contain~~ an epoxy group or a glycidyl group ~~in a molecule~~; or a condensate of said formula 3 wherein at least one of R₉O and R₁₁O represent a siloxane bond,

wherein the compound of formula 3 is added to the coating solution in an amount not exceeding 50% of the amount of formula 1 present in said coating solution;

(c) a hydrolysable organometallic compound;

wherein the surface is formed ~~where a~~ where said hydrolyzable organometallic compound is used as a catalyst for hardening/solidifying said coating solution; and

wherein the surface is formed where one or more organometallic compounds selected from the group consisting of titanium, zirconium, aluminum and tin is/are used as said hydrolyzable organometallic compound; and

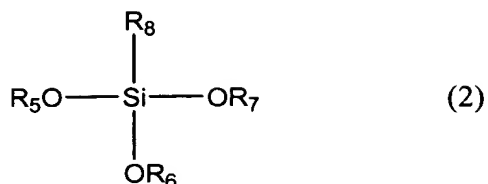
(d) a solvent;

wherein the compound represented by formula 1, the compound represented by formula 3 and the hydrolysable organometallic compound are dissolved.

2. (Previously Presented) The coated material according to claim 1, wherein the surface is formed where, prior to the application of the coating solution, said fiber material is dipped in alcohol and dried and ultraviolet ray is further irradiated thereto.

3. – 4. (Canceled)

5. (Currently Amended) The coated material according to claim 1, wherein the surface is formed where, in addition to formula 1, a coating solution containing a compound represented by formula 2 having three hydrolyzable substituents and one unhydrolyzable substituent is used as the coating solution of a silane type



wherein R₅, R₆ and R₇ are independently selected from the group consisting of a hydrogen, an alkyl group having 1-10 carbon atoms ~~or~~ and an alkenyl group having 1-10 carbon atoms; and R₈ is selected from the group consisting of an alkenyl group having 1-10 carbon atoms, ~~or~~ a phenyl group, and a phenyl groups having which may contain an epoxy group or a glycidyl group ~~in a molecule~~; or a condensate of said formula 2 wherein at least one of R₅O, R₆O and R₇O represent a siloxane bond, and

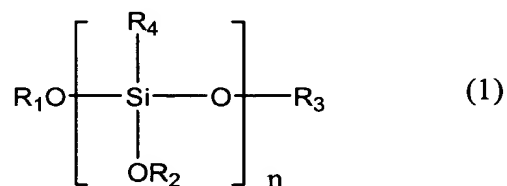
wherein the compound of formula 2 is added to the coating solution in an amount not exceeding 50% of the amount of formula 1 present in said coating solution.

6. (Canceled)

7. (Currently Amended) A coated material for paper or fiber material comprising a hydroxyl group, having a surface to which a silane-based coating solution is applied ~~to a fiber material~~ and hardened/solidified by the action of a catalyst,

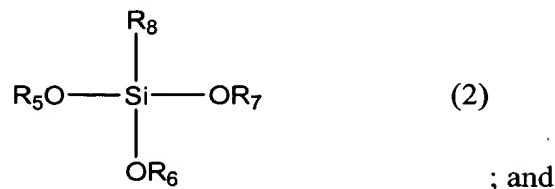
wherein said coating solution comprises:

(a) a compound represented by formula 1

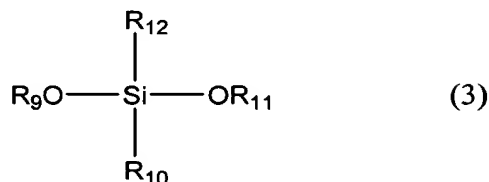


wherein R₁, R₂, R₃ and R₄ are independently a hydrogen or an alkyl group having 1-4 carbons and n = 2-10;

(b) a compound represented by formula 2



(c) a compound represented by formula 3



wherein in formulae (2) and (3) R₅, R₆ and R₇ are independently selected from the group consisting of a hydrogen, an alkyl group having 1-10 carbon atoms and ~~or~~ an alkenyl group having 1-10 carbon atoms; and R₈ is selected from the group consisting of an alkenyl group having 1-10 carbon atoms, ~~or~~ a phenyl group, and a phenyl group having which may ~~contain~~ an epoxy group or a glycidyl group ~~in a molecule~~; or a condensate of said formula 2 wherein at least one of R₅O, R₆O and R₇O represent a siloxane bond; and

wherein R₉ and R₁₁ are independently selected from the group consisting of a hydrogen, an alkyl group having 1-10 carbon atoms and ~~or~~ an alkenyl group having 1-10 carbon atoms; and R₁₀ and R₁₂ each is independently selected from the group consisting of an alkyl group having 1-10 carbon atoms, an alkenyl group having 1-10 carbon atoms, ~~or~~ a phenyl group, and a phenyl group having which may contain an epoxy group or a glycidyl group ~~in a molecule~~; or a condensate of said formula 3 wherein at least one of R₉O and R₁₁O represent a siloxane bond,

wherein the compounds of formula 2 and formula 3 are added to the coating solution in an amount such that the total amount of formula 2 and formula 3 does not exceed 50% of the amount of formula 1 present in said coating solution;

(d) a hydrolysable organometallic compound;

wherein the surface is formed ~~where a~~ where said hydrolyzable organometallic compound is used as a catalyst for hardening/solidifying said coating solution; and

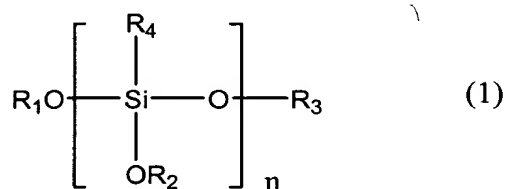
wherein the surface is formed where one or more organometallic compounds selected from the group consisting of titanium, zirconium, aluminum and tin is/are used as said hydrolyzable organometallic compound; and

(e) a solvent;

wherein the compound represented by formula 1, the compound represented by formula 2, the compound represented by formula 3, and the hydrolysable organometallic compound are dissolved.

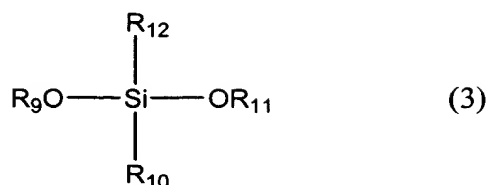
8. (Currently Amended) A coating solution of a silane type for giving an appropriate strength and good light transmitting and water repelling properties to a fiber material where said coating solution comprises

(a) a compound represented by formula 1



wherein R₁, R₂, R₃ and R₄ are independently a hydrogen or an alkyl group having 1-4 carbons and n = 2-10;

(b) a compound represented by formula 3 having two hydrolyzable substituents and two unhydrolyzable substituents



wherein R₉ and R₁₁ are independently selected from the group consisting of a hydrogen, an alkyl group having 1-10 carbon atoms and ~~or~~ an alkenyl group having 1-10 carbon atoms; and R₁₀ and R₁₂ each is independently selected from the group consisting of an alkyl group having 1-10 carbon atoms, an alkenyl group having 1-10 carbon atoms, or a phenyl group, and a phenyl group having ~~which may contain~~ an epoxy group or a glycidyl group ~~in a molecule~~; or a condensate of said formula 3 wherein at least one of R₉O and R₁₁O represent a siloxane bond,

wherein the compound of formula 3 is added to the coating solution in an amount not exceeding 50% of the amount of formula 1 present in said coating solution; ~~and~~

(c) a catalyst for hardening/solidifying thereof,

wherein the catalyst for hardening/solidifying the coating solution of a silane type is one or more organometallic compounds selected from the group consisting of titanium, zirconium, aluminum and tin; and

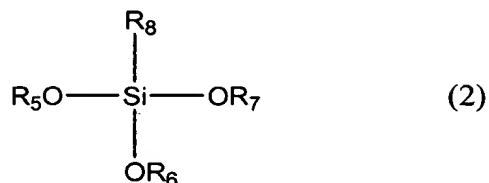
(d) a solvent;

wherein the compound represented by formula 1, the compound represented by formula 3, and the catalyst are dissolved.

9. – 10. (Canceled)

11. (Currently Amended) The coating solution of claim 8, wherein the coating solution of a silane type contains a compound represented by formula 2 having three

hydrolyzable substituents and one unhydrolyzable substituent in addition to the compound of formula 1



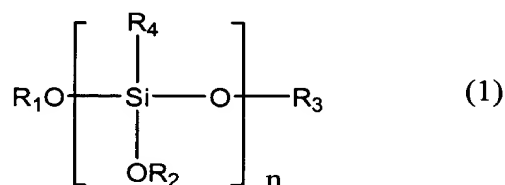
wherein R₅, R₆ and R₇ are independently selected from the group consisting of a hydrogen, an alkyl group having 1-10 carbon atoms and ~~or~~ an alkenyl group having 1-10 carbon atoms; and R₈ is an alkenyl group having 1-10 carbon atoms, ~~or~~ a phenyl group, and a phenyl group having which may contain an epoxy group or a glycidyl group ~~in a molecule~~; or a condensate of said formula 2 wherein at least one of R₅O, R₆O and R₇O represent a siloxane bond, and

wherein the compound of formula 2 is added to the coating solution in an amount not exceeding 50% of the amount of formula 1 present in said coating solution.

12. (Canceled)

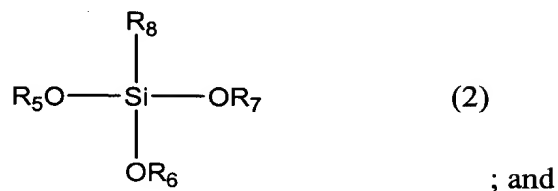
13. (Currently Amended) A coating solution of a silane type for giving an appropriate strength and good light transmitting and water repelling properties to a fiber material, wherein the coating solution of a silane type comprises

(a) a compound represented by formula 1

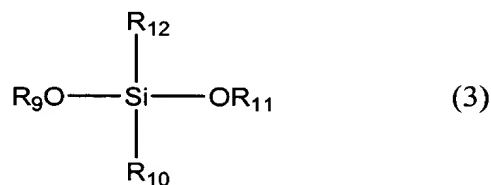


wherein R_1 , R_2 , R_3 and R_4 are independently a hydrogen or an alkyl group having 1-4 carbons and $n = 2-10$;

(b) a compound represented by formula (2)



(c) a compound represented by formula 3



wherein in formulae (2) and (3) R_5 , R_6 and R_7 are independently selected from the group consisting of a hydrogen, an alkyl group having 1-10 carbon atoms, and ~~or~~ an alkenyl group having 1-10 carbon atoms; and R_8 is selected from the group consisting of an alkenyl group having 1-10 carbon atoms, or a phenyl group, and a phenyl group having which may contain an epoxy group or a glycidyl group ~~in a molecule~~; or a condensate of said formula 2 wherein at least one of R_5O , R_6O and R_7O represent a siloxane bond; and

wherein R_9 and R_{11} are independently selected from the group consisting of a hydrogen, an alkyl group having 1-10 carbon atoms, and ~~or~~ an alkenyl group having 1-10 carbon atoms; and R_{10} and R_{12} each is independently selected from the group consisting of an alkyl group having 1-10 carbon atoms, an alkenyl group having 1-10 carbon atoms, or a phenyl group, and a phenyl group having which may contain an epoxy group or a glycidyl group ~~in a molecule~~; or a condensate of said formula 3 wherein at least one of R_9O and $R_{11}O$ represent a siloxane bond, and

wherein the compounds of formula 2 and formula 3 are added to the coating solution in an amount such that the total amount of formula 2 and formula 3 does not exceed 50% of the amount of formula 1 present in said coating solution,

(d) a catalyst for hardening/solidifying thereof,

wherein the catalyst for hardening/solidifying the coating solution of a silane type is one or more organometallic compounds selected from the group consisting of titanium, zirconium, aluminum and tin; and

(e) a solvent;

wherein the compound represented by formula 1, the compound represented by formula 2, the compound represented by formula 3, and the catalyst are dissolved.

14. (Previously Presented) The coated material according to claim 7, wherein the surface is formed where, prior to the application of the coating solution, said fiber material is dipped in alcohol and dried and ultraviolet ray is further irradiated thereto.

15. (Currently Amended) The coated material according to claim 1, wherein when any of $R_9 - R_{12}$ is an alkyl ~~said alkyl has~~ group having 1 to 10 carbon atoms.

16. (Currently Amended) The coated material according to claim 1, wherein when any of $R_9 - R_{12}$ is an alkenyl ~~said alkenyl has~~ group having 1 to 10 carbon atoms.

17. (Currently Amended) The coated material according to claim 7, wherein when any of $R_9 - R_{12}$ is an alkyl ~~said alkyl has~~ group having 1 to 10 carbon atoms.

18. (Currently Amended) The coated material according to claim 7, wherein when any of $R_9 - R_{12}$ is an alkenyl ~~said alkenyl has~~ group having 1 to 10 carbon atoms.

19. (Currently Amended) The coating solution according to claim 8, wherein when any of $R_9 - R_{12}$ is an alkyl ~~said alkyl has~~ group having 1 to 10 carbon atoms.

20. (Currently Amended) The coating solution according to claim 8, wherein when any of $R_9 - R_{12}$ is an alkenyl ~~said alkenyl has~~ group having 1 to 10 carbon atoms.

21. (Currently Amended) The coating solution according to claim 13, wherein when any of $R_9 - R_{12}$ is an alkyl ~~said alkyl has~~ group having 1 to 10 carbon atoms.

22. (Currently Amended) The coating solution according to claim 13, wherein when any of $R_9 - R_{12}$ is an alkenyl ~~said alkenyl has~~ group having 1 to 10 carbon atoms.

SUPPORT FOR THE AMENDMENTS

Claims 3, 4, 6, 9, 10, and 12 were previously canceled.

Claims 1, 5, 7, 8, 11, 13, and 15-22 have been amended.

Support for the amendment of Claims 1, 5, 7, 8, 11, 13, and 15-22 is provided by the corresponding previously pending claims, the specification as filed, for example at page 15, line 21 to page 17, line 3, page 20, lines 7-12 and page 21, lines 12-20, and the Examples.

No new matter has been entered by the present amendment.